

# Pinedale Anticline Annual Planning Meeting

August 9, 2012

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- Completion Water (TOTAL - 4,098,900 bbls)
  - 100% of completion water is recycled water
- Produced Water (TOTAL – 9,714,400 bbls)
  - 69% (6,654,900 bbls) of produced water is now injected for disposal
  - 19% (1,803,400 bbls) sent directly to completions
  - 12% (1,256,100 bbls) is sent to a facility for recycle or disposal
- 15 Fresh Water Wells (TOTAL - 754,700 bbls)
  - Fresh water went to drilling and construction operations

# WATER USE AND MONITORING-2011

## Water Use

- 840,000 barrels of fresh water from industrial water supply wells
- 36 Industrial water supply wells
- Produced water volume 5,617,000 barrels

## Water Recycle

- 74% of water used for completions is recycled water

## Produced Water Disposal – Injection

- Total Water Injected 4,549,000 barrels
- 87% of disposed water went into the South Mesa Injection Facility
- 13% of disposed water went into the Big Piney Injection Facility

# QEP - 2011 Annual Water Summary

- 939,487 barrels of fresh water from water supply wells used for operations
  - Drilling – 650,959 bbls
  - Completions – 114,380 bbls
  - Dust control – 135,748 bbls
  - Stock water – 38,400 bbls
- Produced water volume – 2,999,560 barrels
  - Piped via QEP's LGS to AntiCline for processing or to QEP's water disposal well facility for disposal
- Completions
  - 2,172,933 bbls of water used for completion operations.  
94.7% of this volume was recycled produced water (2,058,553 bbls)